# Aviation Jevs Maghaw-Hill Publishing Company, Inc. March 13, 1944



by American daylight raid on Berlin occupy Robert Lovett, Assistant Secretary of War for Air, left, and Mu.) Gen. Oliver P. Echols, Assistant Chief of Air Staff in charge of materiet, maintenance and distribution, at Duylon for conference with Mu.) Gen. Charles E. Branshaw, Materiel Command Chief, center.

# U. S. Maps United Nations Aviation Talks

World conference expected about end of 1944, according to authoritative source; Senate announces agenda for survey of world air outlook....Page 7

# Glider Pilots Test New Models at Wright Field Annex

Huge motorless craft with tricycle landing gear put through paces and tactics at experimental laboratory; hospital pickup type developed. Page 10

# WPB Scans Plane Aluminum Needs; May Reopen Plants

Release of surplus product for other war needs studied; manufacture of lightweight landing mats for invasion airfields proposed...........Page 11

# Equipment Trusts in Airline Financing Discussed

# CAB Morgantown Ruling Revives Local Line Debate

Vice-Chairman Warner balks at authorization of TWA stop, urges deferment and opposes piecemeal dispositions pending policy decision......Page 36

# Aircraft Industry May Lag Behind in Reconversion

Lack of definite manufacturing division and failure to name demobilization director for work seen leaving industry out on post-war limb...Page 12



action faster. Press the tripper of the Hertwell latch and the inspection rt in lecked shut! It is that easy and



THE PLANE. The Married door leads the



Simple course for 229 different places



HADTWELL

MARK TO STAND UP. The leach in comple

Washington Observer

MANPOWER DRAFT-HEarneys are still in progress on the administration-backed National Service 2001, but there is still fittle, if one bleslikend that it will be approved. The Bill, coming for Mr. cot another ich from the Transco Committee which does not believe that so densite a remedy is warranted at this time. On the other hand, Secretary Knex told Courses that the Nathough Service Bill must be peased to preven a disspires sings in restaction after the Europear phase of the war ends. He centends that only its passage could stabilize production at ley-

THE AVIATION NEWS

STRIKE ANTIDOTE-It appears that the Truparents that a National Service Law would be strikes in mining, manufacturing and countractime is 1942 resulted in a loss of inneggiver of

used in 1831 by 76 servent. The Committee called for a clear and understandable moorn-

officiative visco in America's war industry SILVER PLANES. The elimination of exterrives there a weight caving of 160 pounds and six to right miles per hour increase in speed. accurring to Computated Vulter afficials. From England causes word that Beeing "Flying Periresocs" have increased their speed up to ten miles as hour, minus their clier deab, thereby sheddiag come 60 pounds or more of communicate. It appears logical that the passenger basers at as little decurative most as possible.

HAP! TO HAMP-When one of the name respondents and various military analysis in this country Lately, a new word-Hesspnome. Some Pentagon denterts have explained



AVIATION NEWS . March 12, 1864

# Mossman Aircraft Lever Switch Has Positive Detent Mechanism

The Manager Series CL42 Lever Switch has a resulting dictoral mechanism. that is blobby resistant to for and effection.

This is invested and abound july the based of the public frame. The series counts pressure ognized two, free rolling, stolkies steel bells. When pressure plote, giving a pacitive lacking or spring return to center position. The pres-

BATING: The Ricesons Server O.42 layer South effects a retire of 2 engages. CONTACTS: Contacts are 16" dismeter fee silver. Contact assembles may be of 9

MERCEY, Walnut of the Series Carl makes with 8 contact concern of \$15 concer. INSULATION: Spring pile-up insulators are Sobolite waters, essential under

The Housene Sense Q-42 Lever Switch is one of a line of precision electricel components which includes many types of heavy duty, multiple grout lover switches, two resides, such switches, also looks and special residing components. Send for oppoing containing full information.

DONALD P MOSSMAN INC. 6)33 N. Hartwart Highway, Change (31), Effects

MOSSMAN Electrical Components AVIATION NEWS

Washington Observer THE PHOTOS S. Autr Av Provi

THE STAIT Casess W. Prince

Acronous McSonery Publication and Executive Offices, 130 W. 42nd St. N. Y. M. N. Y. 1917 National Space Sulfilling Washington & D. C.

Staff or Office to Labour Print, Davis, St.



Washington Observer

JET PLANE NAME-A descriptive name is Name under consideration was 'Arraracket." but that has been described as made ofire because it implied that the place is a recket this which it is not. Among others now under consideration is "Arraigt." The final word rests and the Lord Learnin Compilers and America

FOLDING WINGS-It may be everlooked in rosp-which means trouble for the Jops Even before the earlieresk of war, American corrects

THE MYSTEROOUS "ALBEMARLE"-News siderable equilates to first appropriate by the British government of the Armetrone Whitworth AW-11, the "Albertorie" Photos have alrendy agreemed in AVIATION NEWS (Feb. 28). The could now headly live on to its elements public introduction as a mystery, super-plane. the protetype flow as long are as 1535. One sendarrism bald, un after seather prevented deliveries by the thousand subcontractors until recently, and output only pasy is reported in 'orbitatial' quarties Henever, the series has been religiated to such mental tasks as towing gliders and transporting personnel and corp-

REAVERBROOK'S TUDOR TRANSPORTtransport, as a trans-Atlantic "stop-gap" purried Britishers here and in London. Prototypes capacity of only twelve persons on an Atlantic

ALL ABOUT J. P .- Although poblic relations discover one of the most correlete articles yet subdished in the current issue of "Ast Furre," the slick-names service margal of the AAF. It is written by no less authority then Capt. Erro Katcher of the faktor branch of the Materiel article, would have been a fortunite mave by air force public relations in its relations with the American press, aviation-minded newspace.

for young workers, companies to some sections

Note reddicity, in contrast to sinfrance carenaries for phonomenal coins in contest. Like airfrage weight, there is lettle to appeal to the sublic in the only fair standard by which the engage firms can be judged-number of bossepeace. Eighteen companies last year produced sirersit engines in the military program. Wright Accompation's two starts traveller ranked first to horsesposer system, fallowed in rack by Prott & Whitney, Basck, Allicon, Chevrelet. Studeboker, Ford, Parkard, Cartificated. Jacobs, Nach-Kelvinster, Lycosting, Ranger, Naval Aircraft Factory, Aircraft d. Warner, Kin-

London are being met with the heaviest and and skill of the British nati-accords command. tagether with an improvement in the British.

now is that bilateral conversations

between the United States and

so soon as possible. It is expected



### U. S. Maps United Nations Talks On Post-War Aviation Program

Conference expected to be held about end of 1944; Sense: suppurces arenda for survey of world aviation outlook.

Two maper developments took survey of the entire international b Concertations Planted. The reset

coct, is planted by the Aviation merce Committee Charman Bento date of the Legulative and Ro-

indications are that, disputs seemleadership in international air Figure Named Joseph C Grew,

ing exploratory talks lookang

try seems months back. The cross-AVIATION NEWS . March 13, 1944

feasible, and might take place at and we now are at the point where arrangements for conversations Brylew-The Senate sylution

group by that time should be fully informed regarding all phases of that, following talks with those both committees



# "FORTRESS" WING INSTALLATION

WHITE-BODGERS ELECTRIC CO. AVIATION NEWS . March 13, 1844

MOTORIZED TEMPERATURE CONTROLS

AND SERVO MOTORS FOR AIRCRAFT

Provide remake, automatic control of elecroft flight

... for cokin heating control

. Serve throttle motor

... Serve torque motor

Manufacturers' requests for engineering data and

application information ere invited.

... for ordinice temperature control

... for consurence mixture control ... for corburator inteks oir temperchase control

Typical "made metro," these Serve.

meter are applied to several types

Clark's spends was topped by been not before the Committee! Flore Divided-Clark dyaded the tenal phases. The international eignly of the sir and its possible

of steamship lines' deare to enter

several months. The State Depart-

fringing what steps are best calcu- of the asy, defined as freedom to en- provide necessary incentive to foreign governments in favor of 250,000,000 hp.

raises these questions on the issue-



LIVESTOCK PAVILION CONVERTED TO PROP PLANT: Show rings and cottle stells of the Minnesota Feir Grounds, near St. parts of the propeller assessibly are being turned out in the concerted minnt. The narts are sent to A. G. Smoth's Milwenicer plant for faul. assembly More than \$4,500,000 uses spent in remodeling buildings

the air in favor of either freedom. to which foreign competition may

# P & W Produces

United Aircraft Division and six 000 figherer since Pearl Herbor

& Whitney, although none of them -Ford. Brack, Chryrolet, Nath

Waitney is changing over to pro-The company said that Army

craft plants will oursy the Pvatt

### Durand Honored

W. M. Darand, professor emerbesared at a diener in Wasternused by Thredere von Karman by Francis B Jewitt, president of

### AAF Experts Check Captured FW-190

One of the few airplanes with no torsel Command at Wright Field. The plane is a fighter-bomber veryou of the Perky-Walf 183 range

FTwo Wing Tunks-As evoluted

Officers at the Materiel Comsembles the AAF P-47 in flight, alnowared by a BMW 14-religion remainstable 1,600 hm. Cooling is

Retroactive Pay Boring-Workits in making privings of \$3,500,000 to em

The payment has been up which may increases were well-borned employees on the company

Tocks-Wulf Tested at Weight Flekt: This fighter-bomber version of the Focks-Walf 190, now undergoing tests at Wright Field, is somewhat

Truman Cites United Renegotiation Policy Torne Company furnished in sand against exceptive profes on

engerouse and mosamer a reprregistron nobey which will enable American industry to come The contriller said United has taken the attitude that it does not a Refunds Offered ... The result has

been the committee reported that at the end of the war." ment Board periodically every few muerits and have submitted Promoter Dies confine, together with an offer of

United Garner 1941, 1942 and 1943 than \$256,000,000 and after reakleft after taxes in 1942, \$17,600,-Comment-The committee then made "But with all the far-within

niness and willingness to cooperlarge taken the same connecative would be forced to change their

stoking competitions would be forced to make refunds upon a nonewhat comparable basis. No to make a voluntary refund o

# Wright's Original Claffon Mondes Peterlein asses-

Wright Co , died last week Peterhe was only 25 years old, having To Outshor 1989 he recovered Wilbur Wright be could arrange financial backing of the common

### Glider Pilots Test New Models At Base Near Wright Field

Motorless planes with tricycle landing year and foreign models pur thimsely pages at experimental laboratory; hospital pickup type among craft developed

### DV ALUXANDER MISURELY

expert elider mixts and engineers Cliates County Array Air Paid at Wilryington, Ohio, about 50 makes south of Dayton, is a sub- subsex cluder, designed for landing beau of Wright Field, Materiel in areas too small for hospital Command headquarters. It was planes to lond. The craft in fitted. opened last July, after it become make it surplie for extremealader tests

elider branch of the servent labor stadies, trying out new uses for Most spectacular of the gladers Giles Replaces Royce

there are the gunt YCG-13-A. a. nass-wheel and become a tricula-Herry sider of consequence

First Military Gilder With Tricycle Londing Geor-

At a httle-known Army deld, our modifications. It was then 16place elider, terether with the British Heras which claved an ire-\* Housetal Evacuation Model with removable branks, preveding New Tacties-Under direct control of the Materiel Command's can be "yunked" out of a very small area, after it has been loaded

Gilder Benneh Charf: Locat Col tion of wagned from array defficult Brag Gen Benseren Gales has succeeded May Gen, Ralph Rovce cier, chief engineer of Ware Airforces in the Middle East. General and its older out smaller moves

Army military older with a tricule leading over

AVIATION NEWS . March 12, 1944







Shrum above is the Armin's big YCG-12 easie glider. Pilot in forceround is Cast Donoles Revoltes, 1985. at the Climbra County. Ohio, Army air field south of even bember pdgs of the Aleutian communes, were test-Dayton. The new none wheel makes this the first ing pliders of Wright Field

WEST COAST REPORT

# WPB Scans Plane Aluminum Need;

May Reopen Major Plants Release of surplus product for other war needs studied: manufacture of lightweight landing muts for nitfields proposed as

aid to speedy establishment of ports in invaded areas. By SCHOLER BANGS

supported management with mall

There also will be a decision as leaved to other war uses-lightsysuan faces, fight deck sup-Folimates Gathered - Currently um J. A. Krur, renewayn vices

of WPR's Associate Scheduling Unit. west and Cept C H Gillion, USN Colonel Nawlenge also is chief. Resources Custrol Soction, PThings To Come-Barriolph C.

Walter, president, and C. N. Kimand hydraulic equipment in Burbank, Calif., are optimistic over "post-war" Because they have a

chairman and director of the Office of War Differen WPR, and Cal E. cent were men. Within threecent of the warmen and 5 45 percent. of the men asked for termination. + Seurce-The figures were obterned from property submitted by 1943 125,275, or 43.57 percent, of their 282,214 workers were weesen Duries December 1943 51:32 percent of 11,275 persons hired were morney Mirror of morney was cent. But the slight slump in the buring of women apparently as not

new brake valve for motor busses; West Coast plants want fewer complete utilization of workers.

chafter a Mind fight press or

• Women -- Afreruft heads faced

Council, Inc. (West Coast).



NEW UAL JIG:

United Air Liner claims a strong of

derive of guidance in facts comreducation that the demand for

### Commando Schedule Up 250 Percent

Production of C-45 Commando crease 250 percent in Buffalo plants He also guilized results of the Discharges Effective-tie and the discharge of a comparatively few employees to show that the Laborhelpful in effecting our program for

## Aircraft Industry May Lag Behind Other Groups in Reconversion

Lack of definite manufacturing division and failure to appoint Aemobilization director for work seen as factors tending to leave plane industry out on post-war limb.

Reconversion of undustry from vision for severall and an decision While undercably true that to date Office has received no instructions at the accomplishments now being

sir " Several different plans bove the War Production Board orders destry divisions instructing them Frew Cappellations-One factor complicating the agreed prosessor. contracts WPB officials needer to call this drabble of cancellations "modifications of contracts," and pointed out that where contracts were molified, the plants mveri-

### Feed Meser Co-line received a \$17,000,006 contrast from the Arrest Au-Forces for more CG-13 Wore carrie gladers, tested at Dearborn Agreet.

makely 49 precent of all American survivo magnifed washing in action over Call William Wantake, public relations others for the U.S. Array Air Forces, First B. Node former director of public relations for Bell Aircraft Com-

Cherester Division of General Motors Corp to trobug up to produce a per-

engine to a refinement of the PAW R2000. Chevrolet officials my practically start a Sesionher Production of the PAW 14-publisher stance by Chev. facilities and, consequently, there-

ion placts where alle facilities Becoversien Talk - Apother for orientans of a MPR unit to dehandlest of current cancellations "X Day" on whigh Germany is defested both require the classes and civiling agencies, the Barnet

### Huge Mexico City Airport Under Way

Mexico City's new arrest, suffer construction. Its builders estimate capacity of 1,000 page. 5,200 feet Several amaller run-Hoge Territori Placed - Ton wait adjacent to the present Mexi-

to City are field, will have a perpersons, freight terressals, 990-cur

### Over Half of Airliners Used By BOAC Are American Types

• Mexico has received deliverses of

Sixceahore of total floet of 107 are aircraft built by U. S. manof secures: week's surgeous of world aviation items

Party-up of the BOAC flort resresent four-engine surereft, and 25 b The six-motor "Messecurbealit"

Finisty Lockberds-The 21 Lock-American sircraft used, with 20 exploration BOAC operates 9

British built types used by ROAC in addition to the Short DN-95 Firminger, and 5 DH Mos-PApelogy for the "York"-The British reservence Appropriate treve

The wings and tail are identical to those of the bomber, except for Maximuse speed loaded is 270 craft

used at the Evyper Central Plants School in British where some of

### RAF School Pools Allied Air Skills

Post-graduote courses conducted for experienced pilots and in-Flyers from United States forces.

through 1,000 has Bristol Hercules DLAA: Betse Later-American Discussions and fight run from

Lendon radio has announced that

Service to Sweden hire made all types of British



tured on the field spraggivers in British. The Hotspay is a British alider AVIATION NEWS . March 13, 1966

### FEDERAL DIGIST

## For \$440,000 Plant Facilities San Francisco factory expected to produce tail assemblies for

Douglas plane; summary of week in U. S. and war agencies. Be MARY PAULINE PERKY

With autocoppenent that Defense tand with China Arresult Corp. for take past to receive about facilities > Majorials Control.-The Operat-

ing Committee on Aircraft Matestricted the alast probably would he planes being built by Douglas. China Aircraft Corp. has been Americans on the West Coost as a manny of employing Chinese Arterfrom the the species of the accordantly the Committee sur-Crincus enveryments, if it in in 1160mets that use of Bern-S or other substitutes be investigated. The Novelations—For over a year. tractors their approved for substa-

Government and Douglas Douglas + War Production Board has anstadent Christie have been

A matter revision of the WPB ortory. He has been in Washington h National Way Labor Board's Au-WPB at chief of the Aircraft Allow National Labor Relations Reard

cal 106 UFWA-CED related the result duction. The Boned said change is plant

dustry members dissented, the tent District Council, AFL, and also

helpers and appressizes for or with the UAW-CIO, with the sume against Int'l Brotherhood of Elec- to Feb. 26

tries! Workers, Local No. 269, AFL Ricerroll management em-DPC Contracts with China Aircraft union shop to evapous stader which

FCeuse and Desirt Order - The breezeh Corp completely to ducetablish Averaft Workers Coursel as its predecessor. Born Warner Corp .

Bell Ageraft Corp. the Board

• War Dent, has awarded a coert art

Army Supposers have let contracts for additional buildings and temperary frame buildings at the San Bernardino Air Depot, Calif.

### Industry's '44 Gross Por at 20 Billion

Annual gross market of the aucoaft mountry in the immediate on, vice-president of National boe's next value, he told steek. They wouldn't fly without them ...





Blue baby shoes always hang on the steering column of a famous bumber, whose pilot recards them as his "holy of holies" and refuses to fly without them.



A tattered menu, souvenir of a wonderful party, went along on more than 40 missions in the jacket of a flight engineer. It even survived a water crash landing in the Southwest Pacific.



A pair of white kid gauntlets, memories of some extra-special garl, bring good lack to a pilot who absence aligns there on when he taken over the controls to make a bombing run.



Ethyl antiknock fluid opes along with every fighting plane powered by U.S. made gasoline. If onex into every gallon of fighting grade aviation fuel-and today more Ethyl is being used in each culton than over before.

ETHYL CORPORATION

### British Aid to U. S. Listed by Crowley Over \$900,000,000 rapplied to settisoped teak supplied by the FEA chief renorm. More than 400-million dollars in

Forces in Great Britain under reweek by Foreign Economic Adretal surprises result be added to country from Great Britain, other Lands Nutual Aid Program-

both for us by the British under plane, greened by a Briton and this country and Great Britain. Lists British Help-Aircraft built by the British and supplied Amer-

Supplies being received by the 4th

memperance depots built for American use by the British Armored fisk parts, heated fivor

ents and electrically boated must

by American Air Forces is British

New Hearing Date Set on DC-3 Load Bennag before the Craft Acro-

ing the landing weight of all DC-3% free: 21,990 to 25,399 pounds and 5, 200 to \$6,566 paying will be held Mar 22 The hearing originally culculty designed for commercial > Studies -- The latter probably will studies showing that the proposed of the DC-3's now in commercial

National Salaries Salaries paid the president handed down in Netamal's

of G T Solver, president, and sou and \$5,000 remediately. minry before Sect. 1, 1942 at \$5,190 a year Converting CAR and "present amounts appear ex-

### Super Cargo Planes Plans for production of craft,

to the Martin Mars is scheduled. tion to the Skymaster (Douglas > Restricted-It has been known for same time that Douring and Borner

Truman Notes 2 New

tion, revealed in Truman control

Study Landing Mats under experimental development.

Light metal landing mate are Force Procurement office that as yet there is no contractual

determine whether the mote should be made of aluminum or points in fivor of magnesiam; it mirrary, which is reported in transportation by air and in bending by men; alterenting will be in power for that purpose can be As to a story that best reflection

turbulence ever the Seld. All nutharities checked on this point have set it down as noncense. The steel landing mat, had in sections



Startion with sizek Post & Wheney Motors, Robe Proassembling and services operation in heliding an Each operation at a sure on the road to Serfin Aces with a precision that conscibutes to the our time, oversarges arrival of devastarian bomb loads.

Men and women or Robr add hourly to Alfard arreal might. Ther're on the 10h around the clock, meeting can lives by showevery the tame to "anconditional



Mary Wir Bendy-

AVIATION NEWS . March 15, 1966

### THE AIR WAR

### COMMENTARY

# Occupation of Admiralty Islands Sets Stage for Drive on Mindanao

Converging moves on Philippings and Chira coast appear late 1944 possibilities as a rough of plant strides taken in Contral and South Pacific

General Deurles MecArther's Truk (800 miles N/E), makener communicate of Mar. 1 transacted them dependent on Palsu, 1,200 railes to the porthwest. This is a from the spoth, while General New freland (Peb 14) scaled the doors of more than 23,700 corthen 750 males from Truk to the my troops in the Solomors, so the east, on newly occupied Engwrigh Flowerd Philippines-Two years off some \$5,000 in the Butmarck ngo (Mar. 17, 1942) General Mac-

Arthur and his funily, with his It also ours off the remaining Jun H George sorre from from Mrs. dance to Australia in a Plane Medanz, Wrank and points west) and morale-boosting syert. His



# RUGGED PAR LIMPS HOME

Testimony to Lockheed construction. Over Holy, Lent Thomas W. Smails (pointing) was reserved by a ME-109, which last a uring and fell in Sames. The ME's using knocked the P-35's flags half down, stripped of the right book cooling scoon, and sheared loans the stabilizer between first statement was "The retreat ends have From new on we on

his even on the seal. "Back to Mandamag, to Pateur. On to Tokyo" the Gilberts, Mayshalls and beyond.

Highlights of the Comparism-For leading role, was the terrific hat-

Another was in the turning Monarker in Santamber 1845 and Burn in January, 1943. From then commonry. Smanking attacks on

from which the Jap air force in ▶ Reboot Neutralized-wAn nik-mat

or offenore arainst Rebout began nddrien, tree of thousands of tens were demane inflicted on the hor-

bor (scillies and sightles at Ba-The Thurseenth Air Purce, with second in the effort to knock out The day when the enemy

k New Mann in Perspectant colu-

actainst Lower (1633 regles from

or position of the Admirelty Islands may result in speeding up enemy strongholds as Ambussa,

On the other hand, there as now now supear as late 2944 possibili-



# Piper 'Cubs' Took Off From Navy Carriers

in artillers and economissioners It can now be declosed that

parts. A partial lut of her halteryear from a Memeraphysist 169 and blanded at Alexant-The classe landed at Fedala strport, just north Navioaron German places which had thee-

b Patched En-An official of the Pt-

orrested held track, unused place May Gordon flew the plane

### FINANCIAL

Equipment Trust Certificates In Airline Financing Discussed

Criticism of medium for raising capital concess new attention on problem of providing funds for sir carriers.

By ROGER WILCO Talman of TWA in a recent ad-

In many suverireest careles

read field. Bancally, the inherent b Dard By PAAm Saturage of trusts ary, 1939, the commany sold \$2 troffe. Similarly, it may be said

unble "vishtsuef-way" - though books. These funds were austical sition without olingas with which + Objections-The objections to Previous was made for the serial maturity of those certificates over extent to which this type of paper

a five-year nerrod (Actually, they may find application in the industry. The THA office aspects that "A bearer is a defeable entity. An sirplane is an aggregate of them-"life" of the equipment. These and put together again in a totally To this, equipment trust par-

\* Principle... The principle of trust into in 1835, utilized a loan from other integral parts of the freight the Recognitraction Figure Corp. our are replaced during the negoti-

www.wegebly more accessories re-FRoirands Pave Way-Telman

most part. thus condition has been

trust financine, TWA treved to

through equity securities. The fu-

In this connection, Taken makes

eturpment trust pages in the in-Heavy Taxes Cut

Aviation Corp. Net 114 percent increase above is

ended New 30, 1941, Victor Eman-

Figure-The 1913 carriage of

1945 revised earnings of \$9,883. 575, or 68 cents per share Exer-

neatics Act of 1935 which tro-

and American Central Mile, 40

men in 1942 before severage batales. Yeary than \$5,477 not not New An Ryan Farnings Gain Average Coxp. for the 1944 fiscal Despite 78% Levy

84 TEX 584, with rentratistion tak-

Ter markey for 1945 companies in previous 12 recesses period

1962, compared with \$2.500 can.

000 on the same date in 1912

\$1,855,990 in 1979 to more than \$25,000,000 to 1963, but the tax the company reveals. The com-

Aggregate failur value of de-

595-or 29 percent-over the \$18-\$20,975 reported in the prior facal charges were \$597,313 in 1953.

reflect the corporation's equaly in 1843 to \$1.04 per share. These

tion Curp's holdings are Consul-

Financial Reports Filmes Aircraft Corp. reports not

Diber Holdings-Other compan-F Liberty Aircraft Corp. reports not

# The essence of dependable air transportation

Electronics is the essence of air transportation and the warmen rabe at the entence of electronics. Thus the vacuum rabe ... its capabilities, its dependability and serving are prime observers of any plan for post-

war, international air transport Ones the diary of the progress of svistion and vog'll find its pages filled with the conssibutions of electronics. Make a last of these contributions as they relate to the ferere of air transportation. Then you'll on clearly how yiral is the role of the vacuum rubs. Make another has this time of the somes of the

vacuum tubes used by the air tramport

semina and uniform Follow the londers to

Get year capy of descendabilities There are FUCTRONIC TRUSSES the factors which have electronic engineers

since reduce The a world are cloudy how improvement in

the name "Elmac" to the post-war sig The essence of

Surplyw pages commed and plane, sample incomen discription of the fundamenfor the solving without charge er obdesson

## PERSONNEL.

Black Willia has been elected vicepresident of the Sperry Gyrocope Ca. Inc. and will contrar as rea.

Sidney B. Websey, former advertising

Lee Augelus for



Pan American in 1929, and has been

John M. Schedor has been elected to Roself II. Peter has been appointed American Arrigant, Inc. with headdirector of the OPA in New York State and previously was with Nash Midder and the Bell Telephone Sys-

John W. Kelly has been married shard engineer of Adel Precision Products

tee. Skace passeng Adel, he has de-



time to Higgins Armodi, Inc. of C. E. DiSabaneo has become a many

Choles A Adams has become setting personnel director of Furchild Air-



Witten J. Bress connect. He succeeds C. O. Burels of John A Nessey Burgla has rehalf Thomas M. Miller, contribut to

F. L. Holse, recently made vice-

president. He was formerly with

William J. Rome has been elected terseaver of Change and Southern.





Curto Barkes (left) sohe has been elected constroller of United Arr



# Trail Blazing in the Skies



### HOW GOODYEAR AIRCRAFT CORPORATION SERVIS THE AIRCRAFT INDUSTRY

- eri' specifications.

  2. By designing parts for
- By designing parts for all types of amplaner
   By re-environment barts
- for mass production.

  4. By building complete
- By extending the funitties of Goodyear Retearth to aid the solution of any design or engi-



PASTER STRUCH BENOING OF AIRCLAFT PASTS is made poselled by the structurary collection, as we development of the Goodper Character Gappinson. This machine from sump, ecremison and defined Gappinson This machine from sump, eccessors and contains of prefinement skape with inturnam sizes and labor. It known to writele, a Ginimum couly interest. Reads are see permanently-printipled integlight canning as percently 100% containing Parts of createrly sould asked on ready found in of containing Parts of creating sould ask of ready found in of containing Parts of creating sould ask of ready found in the containing Parts of creating sould be found in the containing parts of creating sould be also asked to the containing and the containing parts of creating sould be a sum of the containing and the containing and the creating and the containing and the containing and the containing and containing the containing and the co

### BUILDING PROVEN AIRCRAST



THE WORD'S LARGEST NON-RIGIDALISM!— the Ney's new MS II is as predict of Geodyne's thing years of processing in zero-assess. Long seprences and process in the suprocessor of conditions and the suprocessor of a suprocessor of conditions and the suprocessor of a suprocessor of conditions are conditionally as another of possels arisings for the variety of Coolings and the record of Coolings challe unique in subject of conditions and the suprocessor of the newboy, while these successor operations are the effectiveness of the newboy, while these successor opera-





A. Chester Beury, Jr. of Landan has press International Assess. Inc.

E. L. Evelet has been appointed as-



vices to expedite space parts and

Dee Deeper, first Transcrationated and Writern Air, Inc airlines traffic eags to retarn I

able discharge ed to traffic cup-Salle Street, Chreage, Efrocia.



ing) E H Bucton and N S Hamp-

Canaly Eddie B. Sanders, USN, has re-Chendy John S. Treev, USN (grintop) Division under the Deputy



BRAZILIAN INSPECTS FAIRCHILD PLANT: Pictured in front of a Remote-property Fairchild F-26 monocolone or Mogeratown. Md. aurors, near the mern expension plant of Parchild Aircraft Direnon, are: (Seft to right) A. R. Stocker, Washington representative of Fairchild, Carlos R. C. Martins, chief of press relatings of the Brazilian Ministry of Aeronaution; Civi Anderson, proc-president of

Personnel changes at Chicago and succeeds II Shames of Eastern Als Lanes as chartene of the Express

Traffic Committee "Mato" Kinnas. traffic representation in Change year Told Countield, general manager at Memolyn mydefestion base W Asper Creshe, southest auditor of

George Rebbes has been appropriate Ford Outside Balls-Royce strength

called to Washtion workers in CL

accepted by the pleast's Measuremen

D. Welbert in charge of Manufacture Business becomes head of Managhe"Another Martin First!"

# Martin-Developed Flooring Saves Precious Pounds in Planes



A lines to carry handrole of possels more paycomme from Martin Ishoratories Through a licene-

### TOUGH LIGHTWEIGHT Made from lurrisated phenolic sheet reinforced

other types of flooring of conal amongth and carryto use a plywood flooring weighing \$15 for per

# Since the finering area of a modern 24-passenger

### OTHER USES In addition, this new plasme is ideal for curwillia.

Now saving precious weight in Mertin-built was





# High Speed Means Smooth Power

VELVET SMOOTH

Frirchald capinoces have created a truly high-speed explanions in a Ranger produce power that's selectappends entrine in the Ranger turble (SGV-72h-G-2). ing-like this: ^^^^ Report eilinders deliver more power for their site This high-speed power production is possible be-

Each parton delivers more than 1,500 power surekes

a minute sa take-off--a total for the twelve evlinders

of over 18,000 impelling draves every sixty seconds.

They all add up to the kirk of \$50 horses delivered to the reduction many that sain the nearelier. The

easse of the Banger's design-design that incorparates the primuole of dynamic balance in the engage, through an ingenious system of vibrosion dampers. Ranger engineers pack liths, smooth never into the sleek lines of the Bancer Twelve-another in-

Division of Fairshild Engine and Airplane Corporation . Farmingdale, Lang Island AVIATION NEWS . March 13, 1966.

### AIRCRAFT PRODUCTION

# Reports of Huge Aircraft Profits Show Net Before Renegotiation

Erroneous picture of situation given by statements citing "enormous" income but failing to point our substantial amounts to be refunded, Trussan report reveals

In view of the difficulties attendtractors able to the purposes, prin- > Examples Cited-Of these 100 of the first full year of renegotia-Pre-Way Profits Shown - The profits oranipally recorded. The 1943 of 160 American corporations

war business, including a number

Recent reports of profits made by the shows the effort many much resulted, from increasing volumes and uncere are the intentions of results in 1942. The committee

Signifer tobulations were made of

meetioned, and the profits purture

We do not charge them with very freedom of post-war bramesu

and that equally straking conner-

Burden Approved Senate Currence Committee







### Parts Plants Map Post-War Program

St. Louis Cuthack Louis Arroadt Division. Magainstreen staly pleas so keep 3,500 accessories factories in plant recontenent of meet's \$600.carme and the PT-73 with a other truser orders, in line

possibilities has been pledged by worntly elected APMA officers that an estimated 60 percent of B Bley, vice-president of New C. C. Colding, APMA ceneral

plants room arredon 252 863 marks the variority of there, 2.260, are Sourring APMA is the promect make the point that "Thu exodus of labor in war tadastries hardly ton interest in coming out with a 'is compatible with a 'critical short-



Planning West Coast Reconversee: Arresult Party Manufacturers Asso-Left to right are T. T. Arden, APMA president; G. W. Strollon, execu-National Association of Manufacturers, who recently addressed APMA tory-

will be releasing more workers H R Harrish, WMC Stree Mar-"No 1" desirgation. His figures of \$8,000 workers in the Los Ax-

# NACA Issues Call For Planc Workers

John Victory, NACA secretary, Laboratory, Laugley Field, Va. T sociael officer. Aircraft Engine Re-

# P & W Fellowships

### Allies Ger 28 000 Lend-Lease Planes Maco than \$1,600,000,000 worth

Imperiant part placed by the In addition, more than \$1.600,-000,000 worth of arread corract

# February Records very was again sheed of

Then group - Spiriters. ruley total of 5,700 planes Made of output per day was 256—a new high, povolcas rearecord January Space. The in-

Charles E Wilson, shairwan

489,000 pounds, reclusive of This was remoded as expebombers in West Cased plants A total of 2,569 planes were

then 180 666 similares, of which

\$75 Present Combat Types-About transport plages. Crewley's report plants shipped to the Allies over

the Soviet Union, 4,000 to Allied theaters, and more than 15,000 to

### Pacific Airmotive Opens New Branch Partly Astronomy one of own-

now a drawon of Arrolage Marefacturing and Supply Corp. Glen-W. E. Bescoe, formenty vice-presedent as charge of the supply divition of Misseuri Aviation, it man- tic and foreign air transportation ally other curriers and national detrase



Mart recess addition to Fleetnessa

### L. A. Chamber Opens Post-War Survey

problems that will ease the local

From Gien Eastern, newly We are preparing carefully a



## New Plane Types Nearing Production

new FIF, which will be the first fighers. There have been reports Medium Bember as Way Out-

Production of the Margader will tailly step before next year. The report, but it continued to defy its critics to the combat performances Nitchell to Be Curtailed-Output after this year, the report said, and

New Heavy Bambers—In addition ti-engined bumbers on which work is progressing but as to which it is

Production of T6,000,000 pounds Motors, which also turned out 2.-000,000 pounds of magnessum castines in staniante foundry, to supply

grated PV-1 and built by Lock-

F New Douglas Model-Also sched-Improved 'Warhawk' Now in Production SECT Meliduar not unto quantity production. The BTD designation

Whitney sirerall comme program behaved that the factual details \$ Expossion M. E. Coste, Chev. range of approximately \$100 miles

# Chevrolet Record

In 1942, Cayle seed, Chevrolet,

produced 5, 200,000 pounds of these

peller blades was reported for 1943 \$ 1,000-Mile Bange-He revealed that the new model carries there of bomb leads. Wright reported the

used interchangeably as a dive-

AVIATION NEWS . March 13, 1944

# As a Liberator pilot put it: "One of their cities is missing!"



A standard spec, then seen Plan facilities down I then hadding Freier Well 1918 and another gain New days on the farmers. Not even a very Fire life into 1920 Allian handson has just dropped ats Melle leases and to hadding the best



STORY OF SEMPLEMENT

(DESDEED) It has also a parameter has assumed, produced, before way account, inchessed, segme back, beint uples of:

(In home give size an assumed)

(Advance was an account bless of the cost, in the

Annual phone, in send 1900 & sugine bombers over

3 If your disagns is chanced to a define, removed to be to the production of the first in the production was to be a fine to take the production of the through a state through the state through through through the state through through the state through the state

A Brigation along at a small a press, probabled by a sea substance Librarian, a spee modes aware for gray shapes all scalars in terms and the stemm of the Twee Tray bridge that Al solar suck supplies not engineered to stay the stay of the Sea of the Sea

5 to their leaves as the 1 to be the the shall be the sha

handreds of Grends of house from which the 1881 been sold will again in the thoridated high pin the page. In find, speec purple, and may Andrian-Selding powers, that genetic page by beeny shageant believe they take of me takense. In THESEPASAA it lainst, step troods, and glower par in together to hely speed the default of the Anne, than limited was and and larged treat the may be me.



Out of this was will some compound, abstract, a sed sortice wave of incomposing upon in practice and analysis of the composition of the compositio SANCE FACES THE APPLICATION TRADES.

Without two points or Commany the glovering signature and as a few service from the contribution of a Colombia service of a Colombia service and a colombia service of a Colombia service of the Colombia service service

And more to 141 According translation ligares for Na done the Consistent in our after works language grow that of a special results for all or the consistent of a special results of a second language group parts. The conseque of second above the consistent of the consequence of the second language control for the consequence and 155 M per register of all seconds had be to the 1 M. When down it need to 6-7 to 151 th in transport presentation and the second language part of the 1 mile Control of the 1 m

Na spot an earth is more than 60 hours' flying time from your local airport

Non-Man Jangs Ta continue of the sur-fronted form of t

AIRCRAFT

breath for Shapes No Buyer Mid. States Cry. Bestern Mid. Nam. No. Mr Palester Conf.

CONSOLIDATED VULTEE

### TRANSPORT

### CAB's Morgantown Decision Revives Local Service Ouestion

Vice-Chairman Warner dissents, seging deferment of decasion and opposing piecesscal disposition of applications till probless of feeder transport policy has been settled.

### DV MERLIN MICKEL

even Transportmental & Western The TWA application, he added. Air negrations to stap at Moreyo- did not seem to require emergency town, W. Va., on AN 41 in a de- netion. The three-te-out common by Chairman Popue and Members plication or restriction of authori-

Warner Dissense-Vice-Chauman often on a "Wap-stoo" bears to there actually is no transportation. Cities Airmail Rise lay, Until further Board consideraare transport service, he said, "it's Air Travel Livited-To the mamuch! be pustified later, the vice-



charmon settled that a liver ownte.

Studying Pickup-Possenger Possbilities: All Asserton Assetton earned service. The passengers were James J. Strebug, Associated Press ovisnon editor, and Edward E Stattery, Jr., head of Coul Acquestion Board's referencion section. Picture should, left to right, Eugene R. Scroppie, operations manager, Harry R. Stronger, size-president; Stre-

has Stattery and Cast Thomas E Brian more

local operation," he commented. 'would be likely to speed the

PCA serves Morganiswo on a emporary authorization until

Parlement Asked-Public counsel Mecanatewn spotiestion was so integral part of TWA's plan to serve conclusion of the Beard's localating had appartunity to present

### Route Application Athens, Ohio, increase held incser in All American's request for

sushoesty to make pickup. By WILLIAM G. KEY

small Diop college town of Athens from Pittsburgh to Burtinston lation of approximately 7,540, is cording to Begresentative Thamta A. Jenkins, in whose district Aftens is situated, mail dispatched

to its sale." There is bittle industry A Secretification Asked-The or Assistant Pertraster General hes Board's 1941 denial of service tive design for a combination tacka 100-100 stale eriment speed many but with maneuversellity and com-

Plane Specifications-Apparently



Pickus Increases: There operts by the company's police reader tocreated in 1943 over 1942

offered as food for thought for ceeding 2 500 feet in learth-such

pressed by Helsey R. Barley, prepor twelve persengers, with addational perfeed of 1,000 petrods 30 square feet for austallation of the parkup and, or for cargo, and additistal cargo space of al lesst 120 North and Spoth Dakota cubic fact Supplemental information auggests that All American is

milit this star quantity of a construction converts and most extraction

### Amendments Filed On 2 Applications Enited Arrives and Northwest

Two sirings have filed amend-

recently, while a third saked an amendment of its certificate intermediate points. The original ween Chicago and Negre, Alaska, Allered Asks Change - Prayer

lane. III. (docket 1329). Included to termedaste points in Minneagts.

Charles & Bentley of Lakeland

Feetificate Ashed-Atlantic and N. C., filed for a permanent certitransportation of persons, property Buffalo Acconsistent Corp. Bufand asked a permanent and or

med, concensure, and parrels by

of Son Just. P. B., filed an amend-11531 to request suthering of San Juan and the termenals New Mail Pay Revised Kingston, Jumisco, and Port of On National Route Spans, Tritaded Intermediate points lated are Craded Trafflo D. H., Port on Prince, Hudi, St

### Florida Lists Ports For Post-War Lise

Figurda's new State Aviation ties will be sought on number and ville aggeretury. It was appointed tipeal will receive a bear rate of 9.50 cents per surpless male for a Membership-Other members at mail Excess pourdage above the lace E Storgie of Ocals, Arthur 266 necessity will be raised for at the of Mingel, of Englern Air Lines, and | Reduction - Attorneys for Na-

The decurion was the second re-Decides is first recent services farared, the first coming when the enautre more than 0.5 mill per inc was sutherized to operate PReach III - Member Haritee The new rate of pay from Jan. 1 1941 to Oct 21 1944 was set at while on und ofter Nov 1 1943.

> TACA Stock Sought perchase of "small block

Neesbattons were revealed severed weeks are, but Mr. Baktmen

recognized abilities of Lawell stock into American hands



mately \$155,000 for the period.

NORTHWEST TO USE "SPOTLIGHT PAINTING": Rorthwest Airlanes has laid such success with "moshake naintmo" of Picture shows engine lethe in NWA Turis Cities shop where narrows



LEADERS DO THINGS FIRST

# Disposal of Government Inventories

How to dispose of government amplitude when the our ends used not be an interpretable problem—if we time it promptly and satellogically. But if we do not, penectians methats may be discupted, government fund wated, production discerningol, and reconsension of the whole occurrently to proce university hampered.

What we need most in order to attack the problem is estimates of how much surplus there will be, m what types of goods, and where At the wor's cod, government insensing of war goods in Etchy to total ground 60 billion dollars. Most of this

as Bady to useful result (40 Mins of this More of the and more at must, this just of the realistics Chipsens of Bulleton of the will be in food, which as both, body decrease, useful register, temporation, explorering, and corresponding explorate, and other proof for which there is no office matter. In addition, was contracted with the land different proof of the contraction of the cont

mathetite or outsile for feither progress. While the openment takes over the earlie froutsity, the resecontenses will have to brief to phete stack to practitus predexine, as that or balance, they will ast be disposing of unfully investing to the properties are the cost of of the models re-send investing will be "orphic" for all to desilion in competition with new practitus, duty and "have present both plant and practitus," among and "have new and the physical practitus," among and "have new the high transmiss, among and "have new and the present and the properties of the pretain of the present and the properties of the pretain of the present and the present and the pretains and the presentation of the presentation of the pretains and the presentation of the presentation of the pretains and the presentation of the presentation of the pretains and the presentation of the presentation of the pretains and the presentation of the presentation of the pretains and the presentation of the presentation of the pretains and the presentation of the presentation of the pretains a presentation of the presentation of the presentation of the pretains a presentation of the presentation of the presentation of the pretains a presentation of the presentation of the presentation of the pretains a presentation of the pre

and may be seld there or used for celed!

After allowing for these factors, the war implies to be disposed of in one own markets probably will be less than 10 billion dollers (see bein). While the total is not coverabeliming—the equivalent of two mentificated sales—in certain lines the surples will be revenily sans?, included of a few mentific, normal imply. In particular, the volume of samp metable smiddle from

otherwise extended mustafrees will persent a problem. A great deal can be done now by referee the use of the protessy surjection by selecting a below blanct be towen undersy needs and unpersist and unperfect med morbiding certain serverations of particular term attention of trialsact greats. He was a present to the appeal, set only in 1997, better the selection because of the process of the property of the problem of the process of the p

rag military activity.
We ensured develop programs of action until we have approximately have march of each type of liens in to be add, and where and when it will be residuled. Wole margins of error are mortable as long as large-only prince, yet such information is cuestial and most be of widepolic faced, prince and most be of widepolic faced, improved marcetry received and off matter are budy notable for the enabled of the work of a feet or supply a feet of the residual of a feet consequent principle and a feet or supply and activity received and off a feet or marging the principle of the residual of the residual of the residual of the feet of the residual of the feet of the residual of the r

the public interest mean be the paine consideration. Proposals that name of these goods should be sold of mentionally because of competition with one production obviously are uncombine. Everything that is not needed by the Armad-Services or als nother speech purposes should be disposed of ultimately. The seal problem is not whether surplies; should be sold, but rather to where, at what pane, and at what time the safe should

In the distribution of such large quantities of goods, we believe that enablished trude channels should be used wherever possible. Otherwise, we shall written wide spread goesthedown in war goods and the malarcest greath of indicitions and obligation of hybrogical statistics. This will benefit celly a few speciations and will discourage legislating produces and distribution from making their aremal conveniences.

All our contraction should have the privilege of re-

trining those incentures for which they are willing to pay actual cost or a fair price negotiated with the gov AVIATION NEWS • Morch 13, 1844 emanent procurement agency. The balance of the inventions in the hands of var producers should be annualled by the persument and sold in an equivalnament. In all goad importance that the plan's he deaded of these members are done as that the procurduated of these members are done and the procurduated for the producers of the producers of the producers of the producers of the prooral further delay. To accomplish this preparations must be made before the aid of the wire for spouly determination of the laseratories the rowerf and for a large veiling at thosing upon to accessibilities.

voleting of storing space to accessarshine them. The price which can be ruisbed on the many of size as effects of the size of

or easily one, it will be only by the subous in terms of a biddering to high probabilities is development to the biddering the high probabilities in development to test proteon determed, as a translated as vice of great translated as when a development of the probabilities in some as which the test places are large in admitter in some probabilities, and parties to the places are large in admitter in some probabilities, and parties are some probabilities, and parties are obtained as the controlled as the probabilities of the controlled as the probabilities of the controlled as the probabilities of the analysis of their admitter of the admitter of

serious injury to produces.

There well be some industries, however, in which the postwar sumplus is to large that it would practically salamine the methel for your to come. The problem of these industries in further complicated by that wastrine expansion of copacts many fold in cases of peacetime reories continued to the conference of the conference o

ing or come in point Both of their silutation of the control height and distances by all controls only one control height and distances by all controls one control height and distances be controlled by all the point of electronic terms and the point of t

The deposal of surples inventories is part of the whole process of demobilization of the wor effort and convenion to peace. If this process is to be accommished with minimum dislocation and printy to our economy. it will have to be desected by a central areasy which has developed adequate information service and it in norther to coordinate the voluties of the Armed Servloss and the other interested executive honorhes of the encouraged. This seemes should drow freely on the of marketure terribuse in each metastry. It should forindustries in which the problem is acute; and it should mule these programs peblic as soon as possible, so that transfers to peace will describ on the conditional area erranent administration in the process of industrial detransition to peace than we had in mobilization for wor if we get to most needless unemployment, loss of production, and freetration of bumpers enterpoint.





# Flight without Wings

ereneccous many floring contribu-There is no mor of eneme, when the pros, pleasing feedings of a Boring Smoothly and quintly it altito above the head come has set it down in posture, will be sound to the furnises and the bus pass of analyceign today as so times when

boseher will be mady for the nit-Theiling room to the animitated, this some bolds a far docur remaficance for

The Books potent combiners short -viral to usually chapping combat needs And it tower out places from Boring's sections together only an the last stages

of susuably, both space and tree upused. After a place receives its wines as when a is in sections. That is who even the wrong of a Fortress is fully

Without such furnt measurance or dearn, engagering and manufacture, with subtribed evaluation that on-

"Bush by Bueng" it's bound to be good. MOMENTO THE TOTAL PROPERTY . THE REAL PROPERTY HAVE BEEN A THE STREET, THE STR

### AA Tests Shipment Of Hatching Eggs

System, if successful, may be used Shipment of eggs by an dates

shoot 10 000 a week Figg Test Made-As part of Dr.

Figure to Gustemels-Coordinator of Inter-American Affairs reports Millions of checks have been

### Army Yields to CAB Army has relonguished to Carif

came to the same conclusion others our largedy as a superficial outhor-



ous types of oil separators for use in the delicing opprement of sirplanes

has long been an important activity at Mercury ... complete tooling and experienced craftsmen give considerable advantage in quality, price and meeting schedules



able source of samply of

tenks a silecens, firs, suddern and signifer run-AT The Cradle of Analism





AVIATION NEWS . March 13, 1946



# HELP WANTED

PRATE & WHITHEY AIRCRAFT

engineers for best rejection, feel me-

Sheet motel workers

write or why was easifications to Sales Engineering Experiment, or phase 8-4851. PRATT & WHITNEY

AIRCRAFT

Western Air Lones perintered a 100 percent mereine in resease par same routh last year. The respectime totals muce 2.055.258 and 1.453 Franc-Canada Air Lenes eleive

Pennsylvania-Central Assister refight was made to forgery in 11 crive without churse a precedure press was 4,557,935 against 2,601,271. A peoplary levelying construction trens Specially Co., Les Angeles. manufacturem of Ranger transmit-Managata, five times the number of cornect by CAP religional head-Civilian use, in supposted to an onquarters, and united under direction of Capt Fred W. Christian Connections Officer, California Warg. The mount reproduces the

Northwest Assisted' express pound-Iven City residents. The total is ove for Japanery was 143,300, a CAR ACTION

T E Broad receidest of Broad

 Continued has been provided to interprete and Continued to Management's Research Cry-Patienthia Orteon and Santon Mail Continued to Continued t tank our in wint an examiner's you expected our letterable lines are TW rough and Access de Contrari, and Enter Delter

Agrees, resounces incorporation of

Profite mercages have led Temp-

allice made in Mastreal

Now sentence used by armed faces or commercial knowners type - septime - arowhere can be Weakesha Portable Refrigeration and sir ... , wherever simplemes are built, Because it is recretionally later on



keels Unit to m almost cadless shes of (1) Portable Evaporator to (2) Mebile Condensing Unit with may uses eviction facts. Wheel or

weight, extraordizably compact, saverfinely width ... as so,

Packaged Unit

... Mobile Retrigoration

Whee the

# \* REFRIGERATION in a single un Supplying religeration at her temperafter far publishler, ... or easi storage WAUKESHA portable REFRIGERATION and AIR COOLING UNIT

\* SPACE COOLING

\* HUMIDITY CONTROL

sled measured. Write for disturb

# Air War; New Stage

The RAF and the still-expending U. S. Army usually anonymous skeptics in our war departthat autnower was on trief. There had been too much optimum about surpower's potential value.

"As stated many times, the first and foremost German air force au an essential preliminary to a successful mass invusion of the continent," the Thus "first and foremost som" has every inde-

it is achieved, our tremendous air strength will be given another equally vital objective, prob-The critics of our of they are were well leave erriet. The present ferocity of the air war, because it is incommerable, took them by surprise.

### New Vistas of Power PRIME IS NO PRASE of secondatical development

The new Rolls-Rooce Griffon arrangement of-Souther north up the new peak reached in liquidcooled enrines. Our own Aliteon plants used in combination, and announced before the war, are

exceed by a substantial margin previous horsepower outputs. While specific figures showing lubed, W. W. Daytes, superintendent of research for Dittled Air Lines told a receiver on Change, recently that in his belief engines developing 4,000 ho will be in use within five years. He contends Diesels for aircraft is a subject for debate and skoutichm in responsible engineering circles. The advantages of saving in fuel cost and weight, and consequent increased rence. Maintenance costs At the moment, desels cannot be agroced in any The secutional set accombine above abviously connecements to the areas

offers the areatest concertanities for raising our speed limitations at lower costs, with improved performance. It must not be discounted Errors accompativel engineer who has an opportunity he Wright Benthern' flight. Its recorbilities are endless, its developers believe. While it is true that it may be five or ten years before we have alefiners flown entirely by jet propulsion, it should ventional success within a abort time after the war. Operated to assist take-offs and to step up

### Tell the Worker First Flaws in coordination between the War De-

nouncing the termination of trainer contracts at In a statement to its employees at Harrestown

new channels which had been set up ... This to news services at the same time as the contractors were notified. "The result was that we did not have time to

ment had to be issued simultaneously with our own memorands to supervisory personnel. Wherever noughle this type of information will always visory conferences rather than have it reach you first through outside sources-General Manager Righard S. Boutelle lost no tions were not smexpected, that there would be

no change in production rate for six more weeks and that the company would have plenty to do There will be similar terminations in coming months. The War Department can prevent con-

plants affected if it will simply take the problem nto consideration before releasing such an-



### PUTTING A CRIMP IN PRODUCTION ... SPEEDED THINGS UP Spends impossible, doesn't it-but it's literally a wining and rolling action, performs the second

This operation gives are not eigidity and scrength

frees inputy which sharp edges might cause Anything which speeds up this "crimping" operation, At McDonaell, a member of our organization.

flange, in less than half the time fortierly required. This development is another indication of the

MCDONNELL Aircraft Corporation Manufacturars of PLANES . PARTS . PLASTICS . SAINT LOUIS . MEMPHIS .

ROSSET H. WOOD



Thunderbolt-